

STEREO MOC Status Report  
Time Period: 2006:338 - 2006:344

STEREO Ahead (STA) Status:

1. No significant Ground System anomalies occurred during this reporting period. One minor problem occurred which is described below:

- On day 344, station DSS-15 (Goldstone) experienced a power outage which resulted in a 54 minute gap in commanding and telemetry. Following the outage all SSR data was recovered.
- On day 342, a PIT test for the new DSN SPS system was successfully conducted.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. The following significant early operations events occurred during this week:

- The SECCHI EUVI, COR-1, and COR-2 instruments opened their covers and took first light images on day 338. The images were well received and the instruments appear to be functioning nominally.
- On day 340, the second SECCHI Guide Telescope calibration occurred.
- Beginning on day 341, the spacecraft has been commanded to broadcast space weather data at the end of each track.
- The G&C Guide Telescope Performance Tune test was conducted on day 342. At the completion of the test, two G&C parameters were left at their tested settings in RAM. This test successfully demonstrated that these new parameter settings are effective in eliminating the persistent SWAVES boom oscillations.
- On day 344, a downlink rate of 720k was used for the first time.

STEREO Behind (STB) Status:

1. One Ground System anomaly occurred during this reporting period which is described below:

- On day 344 a power outage at Goldstone occurred which caused the loss of command and recorder playback through DSS-26. A second track for this day which was scheduled as "unattended" at DSS-45 was used and the SSR data was recovered through this site.
- A PIT test was conducted successfully on day 341 to test the new DSN SPS system.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following significant early operations events occurred during this week:

- An A4+ delta V maneuver was executed on day 340. This delta V maneuver executed nominally and obtained the desired 0.201 m/sec delta velocity.
- Beginning on day 341, the spacecraft has been commanded to broadcast space weather data at the end of each track.
- The G&C Guide Telescope Performance Tune test was conducted on day 342. At the completion of the test, two G&C parameters were left at their tested settings in RAM. This test successfully demonstrated that these new parameter settings are effective in eliminating the persistent SWAVES boom oscillations.
- On day 344, a downlink rate of 720k was used for the first time.